Based on PTO/SB/01 (3/97)

Approved for use through 9/30/98. OMB 0651-0032 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## DECLARATION FOR PATENT APPLICATION

| Declaration Submitted WITH Initial  | Filing                       | OR         | $\boxtimes$ | Declaration Su                           | bmitted Aft                                      | er Initial Filing             |
|---|------------------------------|------------|-------------|--|--|-------------------------------|
| Attorney Docket Number: First-Named Inventor:  Application Number: Filing Date: Group Art Unit: Examiner's Name:  | COMPLETE                     | IF KNO     | : NAWC      | 10/60<br>06/25                           | (101.0055)<br>R Smith<br>03,954<br>5/2003<br>533 | US)                           |
| As a below-named inventor, I hereby   | declare that:                |            |             |  |  |                               |
| My residence, post office address and   | d citizenship a              | are as sta | ted be      | low next to my na                        | ame.   |                               |
| I believe I am the original, first and joint inventor (if plural names are listed below) the invention entitled:  PULSED DEPLOYMENT OF A  | of the subject               | t matter v | which       | is claimed and fo                        | or which a pate                                  | ent is sought on              |
| the specification of which:   |                              |            |             |  |  |                               |
| is attached hereto as Attorney Docket No.:  |                              |            |             |  |  |                               |
| OR  |                              |            |             |  |  |                               |
| □ was filed on 06/25/2003     □ PCT International Application No and was amended on   |                              |            | tates .     | Application No. 1                        | 0/603,954 or                                     |                               |
| I hereby state that I have reviewe including the claims, as amended by any amend  | d and under<br>ment referred | stand the  | e con       | tents of the above                       | ve identified                                    | specification,                |
| I acknowledge the duty to disclose 1.56.  | information v                | which is   | mater       | ial to patentabilit                      | y as defined                                     | in 37 CFR §                   |
| I hereby claim foreign priority be<br>application(s) for patent or inventor's certificate<br>least one country other than the United States,<br>foreign application for patent or inventor's certi-<br>of the application on which priority is claimed: | e, or § 365(a) listed below  | of any P   | CT In       | nternational appli-<br>identified below. | cation which by checking                         | designated at<br>the box, any |
| Prior Foreign Country<br>Application Numbers  | Foreign<br>Dat<br>(MMD)      | te         | P           |  | ertified Copy<br><b>e</b> s                      | Attached?<br>No               |
|   | (1121120)                    | ~ /        |             |  | ]<br>]<br>]                                      |                               |
| Additional foreign application numbers a hereto.  | re listed in a               | supplen    | nenta       | priority data she                        | eet PTO/SB/0                                     | 02B, attached                 |

Nama

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

| ☐ I hereby claim the benefit under Title 35 U.S.C. § | 1.19(e) of any United States provisional application(s) listed |
|--|--|
| pelow.   |  |

| Application Number | Filing Date |  |  |  |
|--------------------|-------------|--|--|--|
| 60/393,488         | 07/03/2002  |  |  |  |
|                    |             |  |  |  |
|                    |             |  |  |  |

Additional provisional patent application numbers are listed in a supplemental priority data sheet PTO/SB/02B, attached hereto.

I hereby claim the benefit under 35 U.S.C. § 1.20 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph 35 of U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| US Parent          | PCT Parent Number | Parent Filing Date | Parent Patent Number |
|--------------------|-------------------|--------------------|----------------------|
| Application Number |                   | (MMDDYY)           | (if applicable)      |
|                    |                   |                    |                      |

Additional US or PCT international application numbers are listed in a supplemental priority data sheet PTO/SB/02B, attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| Name               | Registration Number | Name              | Registration Number |
|--------------------|---------------------|-------------------|---------------------|
| Victor Segura      | 44,329              | Bryan L White     | 45,944              |
| Wayne I. Kanak     | 35,564              | Bryan Galloway    | 50,312              |
| Robin C. Nava      | 42,926              | Timothy N. Trop   | 28,994              |
| John J. Ryberg     | 31,134              | Fred G. Pruner    | 40,779              |
| Jeffery E. Griffin | 36,534              | Dan C. Hu         | 40,025              |
| Brigitte Jeffery   | 38,925              | Howard R. Boyle   | 29,617              |
| Tim Curington      | 45,944              | Mark J Rozman     | 42,117              |
| Jaime Castano      | 41,660              | Rhonda L. Sheldon | 50,457              |

Additional registered practitioner(s) named on supplemental Registered Practitioner Information Sheet PTO/SB/02B, attached hereto.

I hereby direct that all correspondence and telephone calls be addressed to:

| 1 100IIIC | Demander Ber 1 demand | b) Corporation, S | omamoorger reserver | i compicuo | 110          |
|-----------|-----------------------|-------------------|---------------------|------------|--------------|
| Address   | 14910 Airline Road    |                   |                     | _          |              |
| Address   | P.O. Box 1590         |                   |                     |            |              |
| City      | Rosharon              | State             | Texas               | Zip        | 77583-1590   |
| Country   | U.S.A.                | Telephone         | 281-285-5720        | Fax        | 281-285-5537 |

Schlumberger Technology Cornoration, Schlumberger Reservoir Completions

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

Approved for use through 9/30/98. OMB 0651-0032 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| sole of mist inventor.   |                           |                          |             |              |
|--------------------------|---------------------------|--------------------------|-------------|--------------|
| Inventor's Full Name     | David                     | R                        |             | Smith        |
|                          | (First)                   | (Initial)                |             | (Last)       |
| Inventor's Signature:    | Town A.                   | Sureli                   | Date: _     | Oct - 24-03  |
| Residence Street Address | 3100 Regent Street, Kilgo | ore. Texas 75662         |             |              |
|                          |                           |                          |             |              |
| Country of Residence:    | USA                       | Citizenship:             | USA         |              |
| •                        |                           |                          |             |              |
|                          |                           |                          |             |              |
|                          |                           |                          |             |              |
| Second inventor:         |                           |                          |             |              |
| Inventor's Full Name     | William                   | W                        |             | Shroyer      |
| •                        | (First)                   | (Initial)                |             | (Last)       |
|                          |                           |                          |             |              |
| Inventor's Signature:    |                           | •                        | Date: _     | *** *** **** |
| Residence Street Address | -6305 Wilson Road, Baker  | sfield, California 93309 | )           |              |
|                          |                           |                          |             |              |
| Country of Residence:    | <del>US</del> A ·         | Citizenship:             | USA         |              |
| •                        |                           |                          |             | ,            |
|                          |                           |                          |             |              |
| Third inventor:          |                           |                          |             |              |
| Inventor's Full Name     | Hays                      |                          | <del></del> | Allen        |
|                          | (First)                   | (Initial)                |             | (Last)       |
|                          |                           |                          | _           |              |
| Inventor's Signature:    |                           |                          | Date: _     | <del> </del> |
| Residence Street Address | 4102 Gelding Street, Bake | ersfield, California 933 | 12          |              |
|                          |                           |                          |             |              |
| Country of Residence:    | USA                       | Citizenship:             | USA         |              |

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued

| 7 3 1                           |  |   |
|---------------------------------|--|---|
|                                 |  |   |
|                                 |  |   |
| David                           | R  | Smith   |
| (First)                         | (Initial)  | (Last)  |
|                                 |  | Date:   |
| 3100 Regent Street, Kilgore, Te | xas 75662  |   |
|                                 |  |   |
| USA                             | Citizenship:   | USA   |
|                                 |  |   |
| ·                               |  |   |
|                                 |  |   |
| William                         | W  | Shroyer   |
| (First)                         | (Initial)  | (Last)  |
| 211 11 8                        | 1 mile   | Date: 10/23/03  |
| Mann. WI                        | nogg   | Date: 10/23/03  |
| 601 Forest Lane, Edmonton, Al   | berta T6R 2C4  |   |
| Canada                          | Citizanchin  | USA   |
| Canada                          | Citizensinp.   | OUA   |
|                                 |  |   |
|                                 |  |   |
| Hays                            |  | Allen   |
| (First)                         | (Initial)  | (Last)  |
|                                 |  | Date:   |
| 4100 Colding Charat Dalametal   | 4. C-116 022   |   |
| 4102 Geiding Street, Bakersfiel | a, Calitornia 933  | 12  |
| USA                             | Citizenship:   | USA   |
|                                 | William (First)  William (First)  Canada  Hays (First)  4102 Gelding Street, Bakersfield | (First) (Initial)  3100 Regent Street, Kilgore, Texas 75662  USA Citizenship:  William W (First) (Initial)  601 Forest Lane, Edmonton, Alberta T6R 2C4  Canada Citizenship:  Hays (First) (Initial)  4102 Gelding Street, Bakersfield, California 933 |

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Sole or first inventor:  |                           |                          |                 |
|--------------------------|---------------------------|--------------------------|-----------------|
| Inventor's Full Name     | David                     | R                        | Smith           |
|                          | (First)                   | (Initial)                | (Last)          |
|                          |                           |                          | <b>D</b> 4      |
| Inventor's Signature:    |                           |                          | Date:           |
| Residence Street Address | 3100 Regent Street, Kilgo | ore, Texas 75662         |                 |
| Country of Residence:    | USA ·                     | Citizenship:             | USA             |
|                          |                           |                          |                 |
| Second inventor:         |                           |                          |                 |
| Inventor's Full Name     | William                   | W                        | Shroyer         |
|                          | (First)                   | (Initial)                | (Last)          |
| Inventor's Signature:    |                           |                          | Date:           |
| Residence Street Address | 6305-Wilson Road, Baker   | rsfield, California 9330 | <b>Q</b>        |
| Country of Residence:    | USA                       | Citizenship:             | USA             |
|                          |                           |                          |                 |
| Third inventor:          |                           |                          |                 |
| Inventor's Full Name     | Hays                      |                          | Allen           |
|                          | (First)                   | (Initial)                | (Last)          |
| Inventor's Signature:    | Hays &-                   | Oll                      | Date: 03 NOV 03 |
| Residence Street Address | 4102 Gelding Street, Bak  | ersfield, California 933 | 312             |
| Country of Residence:    | USA                       | Citizenship:             | USA             |
| ADMINI'S OF HEISTHAMES.  |                           | Checusuip.               |                 |